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**KOPPEL, JACOBS, PATRICK & HEYBL**  
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RICHARD S. KOPPEL  
MARVIN E. JACOBS, P.C.  
STEVEN C. PATRICK  
JAYE G. HEYBL  
JAMES K. DAWSON  
Senior Counsel  
MICHAEL J. RAM  
LOUIS A. MOK  
Patent Agent  
JOSEPH COMPTON

555 ST. CHARLES DRIVE, SUITE 107  
THOUSAND OAKS, CALIFORNIA 91360  
PHONE (805) 373-0060  
FAX (805) 373-0051

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January 22, 2004



Mail Stop Fee (Patent Application)  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

RE: ADAPTIVE BEAMFORMING METHODS AND SYSTEMS THAT ENHANCE  
PERFORMANCE AND REDUCE COMPUTATIONS  
DOCKET NO. 147-25-057

Sir:

Transmitted herewith for filing under 35 U.S.C.111 and 37 CFR 1.53 is the patent application of Kris Kelkar entitled "ADAPTIVE BEAMFORMING METHODS AND SYSTEMS THAT ENHANCE PERFORMANCE AND REDUCE COMPUTATIONS". **Applicant is a large entity.**

Enclosed are:

- 21 Pages of written description, claims and abstract.
- 4 Sheets of drawings.
- Executed Declaration and Power of Attorney
- Nonpublication Request
- Information Disclosure Statement & Form 1449
- Assignment and Recordation Cover Sheet

The filing fee has been calculated as shown below:

Basic Fee (Large Entity)		\$770.00
Total Claims	( 50- 20) x \$ 18.00 =	540.00
Independent Claims	( 6- 3) x \$ 86.00 =	258.00
Assignment Recording Fees		<u>40.00</u>
Total Fee:		\$ 1,608.00

Enclosed please find a Check No. 21270 in the amount of \$1,608.00 to cover the filing fee. We authorize the Commissioner to charge (1) payment of any additional filing fees required under 37 CFR §1.17 associated with this communication, or (2) payment of any fees that occur during the pendency of this application (and to credit any overpayment) to Deposit Account No. 11-1580. We enclose a duplicate copy of this sheet.

Very truly yours,  
KOPPEL, JACOBS, PATRICK & HEYBL

Richard S. Koppel  
Registration No. 26,475

**NONPUBLICATION REQUEST  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor	Kris Kelkar
Title	ADAPTIVE BEAMFORMING METHODS AND SYSTEMS THAT ENHANCE ....
Attorney Docket Number	147-25-058

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

1/22/04  
Date

Richard S. Koppel  
Signature

805-373-0060  
Telephone number

Richard S. Koppel  
Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.